



New monoclonal antibody specific for *Candida albicans* germ tube.

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Titre	New monoclonal antibody specific for <i>Candida albicans</i> germ tube.
Type de publication	Article de revue
Auteur	Marot, Agnès [1], Grimaud, Linda [2], Nail-Billaud, Sandrine [3], Bouterige, S [4], Apaire-Marchais, Véronique [5], Sullivan, D. J. [6], Robert, Raymond [7]
Editeur	American Society for Microbiology
Type	Article scientifique dans une revue à comité de lecture
Année	2000
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Résumé en anglais	Hydrophobic components of the germ tube of the dimorphic pathogenic fungus <i>Candida albicans</i> were used as immunogens to prepare monoclonal antibodies (MAbs). Among the resulting MAbs, one (MAb 16B1-F10) was shown by indirect immunofluorescence to be specific to the surface of the mycelium phase of the <i>C. albicans</i> and <i>C. stellatoidea</i> species. No labeling of any other genera and <i>Candida</i> species tested was observed, including <i>C. dubliniensis</i> , a newly described species which has many phenotypic similarities to <i>C. albicans</i> . This phase-specific epitope resides on a protein moiety. The molecular mass of the antigen released by Zymolyase digestion was determined by gel filtration and ranges from 25 to 166 kDa. The antigen was also shown to be highly hydrophobic. This anti- <i>C. albicans</i> cell wall surface-specific MAb may be a good candidate for use in tests for the rapid differentiation of the two closely related species <i>C. albicans</i> and <i>C. dubliniensis</i> .
URL de la notice	http://okina.univ-angers.fr/publications/ua7648 [15]
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Liens

- [1] <http://okina.univ-angers.fr/agnes.marot/publications>
- [2] <http://okina.univ-angers.fr/linda.grimaud/publications>
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=8483](http://okina.univ-angers.fr/publications?f[author]=8483)

- [4] [http://okina.univ-angers.fr/publications?f\[author\]=11613](http://okina.univ-angers.fr/publications?f[author]=11613)
- [5] <http://okina.univ-angers.fr/v.marchai/publications>
- [6] [http://okina.univ-angers.fr/publications?f\[author\]=11614](http://okina.univ-angers.fr/publications?f[author]=11614)
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- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=11715](http://okina.univ-angers.fr/publications?f[keyword]=11715)
- [9] [http://okina.univ-angers.fr/publications?f\[keyword\]=10160](http://okina.univ-angers.fr/publications?f[keyword]=10160)
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- [11] [http://okina.univ-angers.fr/publications?f\[keyword\]=11717](http://okina.univ-angers.fr/publications?f[keyword]=11717)
- [12] [http://okina.univ-angers.fr/publications?f\[keyword\]=9240](http://okina.univ-angers.fr/publications?f[keyword]=9240)
- [13] [http://okina.univ-angers.fr/publications?f\[keyword\]=7477](http://okina.univ-angers.fr/publications?f[keyword]=7477)
- [14] [http://okina.univ-angers.fr/publications?f\[keyword\]=7967](http://okina.univ-angers.fr/publications?f[keyword]=7967)
- [15] <http://okina.univ-angers.fr/publications/ua7648>
- [16] <http://www.ncbi.nlm.nih.gov/pubmed/10618064?dopt=Abstract>

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